



# 2017 Self-Service Reference Guide for ASSA Employers

How To Open an Employer Account, Post Job Openings,

& Conduct Global Searches for Qualified Employees Online Using

— IllinoisJobLink.com —

**And the JEL Classification System** 

User Name	Password	

(Revised Date: September 8, 2016)

Version 13.2.12

# ILLINOIS.IOBLINK.COM EMPLOYER REFERENCE GUIDE

# **Internet Entry**

These are the *new* step-by-step guidelines you will need for the 2017 ASSA Professional Placement Service to register and manage your company's or institution's profile, post your job openings online, and conduct your own global search (and save matching resumes) for the most qualified candidates using **IllinoisJobLink.com** (**IJL**), version 13.2, the IDES labor exchange system. Included in the new guidelines, beginning on page 11, are the JEL Classification Codes used by Job Openings for Economists (JOE) from the American Economic Association (AEA) Web site. These may be used when selecting a Job Title, completing the job requirements section, and referencing JEL secondary level codes as a guide for keywords you may wish to include when conducting a search for qualified candidates. This is a reference guide in case you have any questions on how or why to complete an activity and you should hang onto it for whenever you reenter the system to post a job or search for resumes. Hopefully, it will answer all your questions.

The guidelines tell how to search through resumes and receive e-mail updates on new job seeker resumes, as well as how to select the system's O\*NET (Occupation Network) "talents" you prefer qualified candidates have to match to your job openings. It is suggested you follow these directions **very carefully**, especially non-US companies and institutions, to maximize your matching potential to the best candidates. Remember that IJL is a system designed for ALL job openings and not just for the Economics and Finance fields. It also serves well for both academic and non-academic matching. The guide is designed in a checklist format to check off steps as you complete if you wish. To make your search easier, it is suggested you have your job openings and descriptions at hand to transfer (copy & paste) your information to IllinoisJobLink.com more easily. **JOB ORDERS SHOULD BE ENTERED BY THE DECISION MAKER INVOLVED IN CONVERTING A JOB DESCRIPTION TO O\*NET TALENTS.** 

You may post job orders for the placement service or for any time of the year. After you have registered or after you have posted a new job order this year, you may send us an e-mail at <a href="mailto:jay.oconnor@illinois.gov">jay.oconnor@illinois.gov</a> so we can track your job order(s) to make sure you have entered your information to your best advantage in matching to qualified candidates and post expeditiously. In your e-mail, please type: 1.) Employer, 2.) your name, 3.) Company, Institution or Agency name, 4.) address, 5.) phone, and 6.) e-mail you prefer be used for matching purposes.

o If this is your first time, begin by using the quick search option to get a brief view of ASSA candidates.

# QUICK RESUME SEARCH OPTION FOR QUALIFIED CANDIDATES

- 1. Go to IllinoisJobLink.com
- 2. Click on the *Learn More* button under **Ready to Hire Someone?**
- 3. Enter **ASSA** only in the KEYWORDS Box.
- 4. And click on the **Search for Reumes** button.

If you are interested in continuing to contact any of the qualified candidates listed, click on **Register for a new account**.

Review the Employer Use Policy page. Click on I Accept at the bottom of the page.

# **New Account Creation for Employer**

o Enter a Username that is easy for you to remember that does not contain spaces or special characters but has 6 to 20 characters. *It is strongly recommended that you print out these instructions and write down your user* 

name and password on the front cover as you will need them again during this registration and every time you reenter IllinoisJobLink.com.

- Enter a password that is easy to remember which includes letters and at least one number and a special character (!@#\$%^&?+...). The password must contain 8 to 20 characters. Then confirm same password.
- De sure to enter *your* e-mail address. This is so the system can contact you directly. If you plan on using a different e-mail address for job seekers to respond to as a reply option, you can enter that later in each job order you post.
- Select one of the 6 security questions and answer it.
- Enter your company name and in the box below you are afforded up to 1,000 characters to describe your company's business and reputation.
- Enter your company address, city, state, ZIP code as they are if your company is located in the United States.
- o If your company is located outside the United States, enter the actual address.
- Enter the name of the country from the drop down box if not the United States. If your country is not listed, select **Other** and type the name of your country in the International box below.
- O International State/Province/County (e.g.: if you entered Canada as the country, you might enter Manitoba as the Province.)
- O You can enter your company's Website to further showcase the details of your company information.
- o Enter the number of employees from the 3 options provided for your company or institution.
- FEIN: If your company is located in the United States, enter your Federal Employer Identification Number (9 figures). If your company is located outside the United States, enter 99-9999999.
- State Employer ID Number or Unemployment Insurance Account Number: If your company is located in the United States, enter your State Employer Identification Number (6 or 7 figures). If your company is located outside the United States, enter 9999999.
- Ownership: identify your company or agency's category from the 3 options provided
- o Federal Contractor: ...with the U.S. government only. Select No or Yes
- o Contact information: On the next 6 lines, enter your name and job title.
- o If your company is located in the United States, enter your actual phone number. Your fax number is optional. If your company is located outside the United States, enter 877-342-7533 to get you through the system. Your actual country code and phone information can be posted later in your job description and/or reply options.
- O How did you hear about our services? You may select more than one option.

Click on the Submit button on the bottom of the page.

THANK YOU IllinoisJobLink.com will review your application and respond within two business days. Click on the My Home Page

# Welcome to your IllinoisJobLink.com home page!

 Click on Create a job posting (once your account is approved your job posting will be available in public searches.)

# Post a Job

- o What is the job title? (e.g. Economics Professor, Financial Consultant, Agricultural Economist)
- What date do you want this job made public? Move the cursor into the box and select todays date from the calendar.
- What is the expiration date of this job? You may wish to extend it through the Annual Meeting date of January 8, 2017 or longer.
- O How many positions are available? Enter the # of openings.
- How many years of experience are required for this job? If you are looking for a recent PH.D. graduate for a teaching position, you may select 0 years and 0 months.
- What education level is required...? Select from the drop down box.
- o Is this position an Internship/Externship? Yes or no.
- o Shifts. Most common choice that job seekers will be selecting is Day Shift
- o Are there other shifts...? Skip this box.
- o Is this job part-time or full time? Select Full time.
- Is this job temporary or permanent? Permanent
- Average hours per week. Enter 40.
- o Is overtime available for this job? No Overtime, Overtime available, Overtime mandatory
- o Is this an Affirmative Action job? In most cases select no.
- Is this a green job? In most cases select no.
- o Is this job supporting an H-1b, H-2A or H-2B Recruitment Activities?
- o Is there a formal program for training new employees? In most cases select no.
- o Is your company a Registered Apprenticeship sponsor? No, and skip this and the registration number below.
- Is travel required for this job? Normally not for academic positions

o Is driving an essential function of this job? In most cases select no.

Go to Next Step: Build Job Description

# **Select Occupation**

Select the occupation that best matches the duties for the job title you selected. If you cannot find the right occupation, you may want to use the back button to go back and change the job title. Selecting an occupation takes you to the...

# **Job Description**

If you know what the salary range is for your job opening, you can enter it below. The high/low range encompasses candidates that match within that range. If you are not sure how to set up a range, click on Market wage information for this occupation to get an idea of what is being paid in the USA.

- O poyou want to display wage (salary) information in this job posting? If you do not wish to reveal what the job pays, you may select no and matching job seekers will not see the amounts.
- o How are wages paid for this position? Preferred Annually.
- o Minimum starting wage or salary. (e.g. 30000 rather than \$30,000.00)
- Maximum starting wage or salary. (e.g. 100000 rather than \$100,000.00)
- o Salary other explanation. (e.g. Salary dependent on experience)
- What is the job description? You can copy and paste the specific job description portion of your job posting here. Or you can attach the entire MS Word document file using your browser below this section.
   IMPORTANT: You are encouraged to put at the top of the job description, ASSA Job Order, so matching candidates know you are association affiliated and will probably be on site to conduct interviews.
- o Find Credentials: A new window will open if you select the link for Credentials related to this job posting
- Are specific credentials required for this job? Is so, please list them here. This is where you may list certification requirements or other job requirements pertaining to languages, citizenship requirements, drug testing, technology skills, etc.

Go to Next Step: Talents

# **Preferred & Essential Talents, Tools and Technologies for (Your Job Title)**

In the next possibly six sections, you should select all talents you would <u>prefer</u> the ideal candidate to have. In the next section, you will be presented with that list of preferred talents, and you should then select those talents which are <u>essential</u>. The two sections after that repeat the process for Tools and Technologies, depending on what the job title is. Finally you are asked to select the preferred and essential work activity talents. These are not mandatory sections.

Go to Next Step: Job Location

# **Job Location**

This is a very important section, especially for non-US and non-Illinois employers. Much of this section has already been filled out by you. But you can make changes to what you have entered in order to ensure that you are matching to ASSA candidates. They have been instructed in their ASSA Job Seeker Guides to indicate they are willing to relocate and to specifically state their preferred relocation using Chicago ZIP Code 60603. So please be sure to follow these instructions very carefully:

- o Company Name. Should already be entered.
- o Physical Address. Defaulted to the address from your registration. If you need to change the physical address job location select the "Add an Address or Manage My Address Book" link.
- o Select "Add an Address". Enter required fields, select "Create Address" and ""I have No More to Add".
- Select Create Address
- O You can add a Phone Number, Fax Number, Email Address, or Web Address. When completed select *I Have no More to Add*.
- O You can now select the desired physical address from the drop down.

Go to Next Step: Posting Preferences

# **Posting Preferences**

- o How do you want your job to display? Public is the preferred radio button of choice in order for matching candidates to recognize your identity and possibly initiate contact for the job.
- O Would you like to receive resume matches by e-mail? Although the system defaults to No, you may wish to select Yes unless you prefer to conduct your own candidate search through the system. Yes could be a time saver. And you can still conduct a search if you would like.
- o Note to yourself. Optional
- Index this on US.jobs by Direct Employer? Selecting No limits you to ASSA candidates and possibly other
  qualified candidates in the IllinoisJobLink.com system. Selecting Yes opens your job to be seen on US.jobs at
  no cost to you.
- Do you need staff assistance with this job order? All employers registering on site at the Annual Meeting and after December 27<sup>th</sup> must select No since it will be too late for Illinois Department of Employment Security Staff to help you. However this is a pivotal question that normally deserves *careful consideration* when making your decision:

Selecting No continues your **Self Service** status which allows you basically exclusive control over your job order and allows you to edit any information whenever you wish. Job seekers can respond through your contact information preferences directly to you. You can select the type of reply options you would like to receive from interested matching job seekers provided your job is made public. You

can also conduct a search for qualified candidates and save your own resume searches for qualified candidates.

Selecting Yes to **Staff Assistance** sends each individual job order for a non-defined short period of time for IDES staff to post and provide referrals for you for that particular job order. They may contact you for more information. So again, be sure you have entered your e-mail address. You can select the type of reply options you would like to receive from interested matching job seekers provided your job is made public. You can also conduct a search for qualified candidates and save your own resume searches for qualified candidates in addition to receiving referrals from IDES staff. However, if you edit any information on the job order, it will not be viewable to job seekers until IDES staff has reviews edits and activates job order again.

Go to Next Step: Additional Information

# **Additional Information**

Select the benefits you provide for your hired employee.

Go to Next Step: Contact Information

# **Contact Information**

This section basically provides a review of the contact information you entered earlier and wish to provide for candidates you wish to have contact you. However, if you have a designated person or special e-mail address you would like to have e-mails sent to, here is where you can begin to make those changes and select your contact options. Make sure all your information is accurate.

Under Applicant Reply Method, select which method(s) you would like to receive your replies through:

- Email is most preferred
- Fax: slow and leaves you wide open for a lot of paper if candidates start faxing you everything: cover letters, resumes and work samples.
- Mail: slower, but still preferred by some.
- In Person: optional based on adding details to the application description box below
- Through recruiter: (do not select this option).
- Phone contact: When you arrive in Chicago, you may want to add your hotel phone or mobile phone here at your discretion. Your hotel's general phone number is already displayed in the ASSA's online telephone directory with your name available if you registered through ASSA Housing. And the disclosure code system is more beneficial in that only your selected candidates can be notified of your interview location if you are not reserving an interview table in the Placement Center located in Riverwalk A & B of the Sheraton Grand Chicago.
- America's Job Center: (do not select this option).
- Website: many employers now have candidates apply online through their Website,
- Application description. You could post your disclosure code here when you are assigned one if you are searching for more candidates. Or you could announce your interview table number if you are looking for matching walk-ins. You could also post the dates and times you will be conducting interviews in Chicago.

Go to Next Step: Review and Post

# Review and Post Job Order #\_\_\_\_\_

You should review the information you entered and check spelling. Click on the Edit button to the right of each section to make any and all changes. When you get near the bottom, you can see a short display of how your job will appear in the system initially to matching candidates, and the full display when they open it. When you are completely satisfied with your entries, click on *Activate this Job Posting*. You will receive an e-mail when your new registration is approved, usually within 2 business days. Job orders are active immediately on approved registrations. If you are registering for the first time on site in San Francisco, let staff know at the front desk of the Professional Placement Center to approve your posting in person.

# **IMPORTANT - TAG your Job Order!**

Once you have activated your job order select "My job Postings" from the left hand menu. Select "View Options" from you active job and select "Tags". In order to ensure that potential candidates see your job posting select "Edit", check the "ASSA" tag and select "update" and then select "Return to Job List".

# **Shortcut for Posting more jobs**

At the bottom of the left hand column, click on My Job Postings. To post another job, simply go to your current job opening and click on View Options to the right. Click on the link that reads Create Similar Post. Then begin to edit each section of your previous job order beginning with the job title, talents, etc. Review your changes like you did for your first job and when you are finished, click on My Job Postings in the left hand column again.

# How to conduct a candidate search for a given job posting

If you are waiting for approval, go back into IllinoisJobLink.com once you receive your approval e-mail from the system. This is a one-time approval process and you can now enter, post and conduct a search anytime you wish without waiting. Go back into IllinoisJobLink.com by entering your user name and password from the link at the top right of the page. It will take you to My Home Page.

Go to **Search Resumes** in the left hand column which will take you to the Resume Search page.

- 1. When no filters are clicked or criteria entered in the What or Where boxes, the Resume Search displays all resumes in the system.
- 2. Enter keyword(s) in the **What** box. A drop-down list provides job title suggestions to narrow your search. You can click an option in the list or continue typing. When you are done, click the search icon (magnifying glass).
  - a. If desired, add a location by entering a city and state or ZIP code in the **Where** box.
- 3. The search results display.
  - a. The resume results matching your keywords display below the What box, sorted by relevance. Resumes that have your keywords in the resume title will display at the top of the results. Below that will display resumes with the keywords anywhere in the resume. If you aren't satisfied with your results, you can change your entry in the **What** box at any time. **Note:** Job Seekers have been instructed to include "ASSA" in their Resume title.
  - b. When the **Where** box is empty, resume results from across the state and even outside the state will display in the results. When entering a location, use a ZIP code or city and state. The resumes of job seekers who have indicated they are willing to relocate will display.

- 4. Narrow your search results using the **REFINE SEARCH** menu.
  - a. To expand a category of filters, click the category. The number next to each filter within that category indicates the number of results you'll get if you add that filter. A filter will only display if there are results available for that filter. For example, if there are no job seekers who will work for less than \$10.00 an hour, the \$0.00 and more and \$5.00 and more filters will not display.
  - b. To add a filter to your search criteria, click it. Your search results will automatically update to match the filter you added. You can see all of the filters you've added in the **FILTERED BY** section. To remove a filter and widen your search, click the **x** next to the filter. By default, the **Status: Active** filter is already selected.
- 5. The search results provide basic resume information including the resume title, last updated date, and resume objective or summary of qualifications. To view additional information, click the resume title.

# E-mail Communications With Candidates Prior to the Annual Meeting

After making initial contact with job seekers through **IllinoisJobLink.com**, all further messages can be exchanged via e-mail, mobile phone or hotel voice mail using the ASSA telephone directory on site in Chicago. Although the IJL system provides you with an option to accumulate hard copy resumes submitted to **IllinoisJobLink.com** by job seekers, you may also want candidates to e-mail and attach other papers they have written.

# **Communications with Candidates at the Annual Meeting**

To communicate in Chicago with job seekers and fellow conventioneers, you can use the ASSA on site hotel phone directory available online through the AEA Web site. To have your name and hotel listed in the ASSA directory automatically, you must register for housing through ASSA by Thursday, December 15<sup>th</sup>. If you wish to have your name added to the directory after that, send an e-mail to <a href="mailto:assa@experient-inc.com">assa@experient-inc.com</a>

There is no formal message exchange service provided by the placement center, so you may wish to bring a laptop computer to exchange messages as most hotel rooms are now wired for Internet service. While it is better to schedule interviews in advance of your arrival in Chicago, employers who register on site will have to use laptops, a hotel business office or an Internet Café in the area. We encourage you to post your job orders no later than Tuesday December 27th. But there is no concrete deadline for using IJL since it is never too late to post your jobs as the system is ongoing. You can use the placement service and IJL even if you don't travel to Chicago. If you have any trouble with the system, please e-mail <a href="mailto:jay.oconnor@illinois.gov">jay.oconnor@illinois.gov</a>.

# **Reserving an Interview Table**

To reserve an Interview Table at the professional placement center, contact the American Economic Association (AEA) by e-mailing your request to <a href="mailto:bonita.g.anderson@vanderbilt.edu">bonita.g.anderson@vanderbilt.edu</a> or visit Bonita at the placement center in Boston with the following information: 1.) Name of the company or institution, 2.) names of the recruiters, 3.) location of the job, and days interview table will be needed (January 5-8). Everyone admitted to the interviewing area of the placement center (including all interviewers and associates) must have registered for the ASSA meetings and show their badges January 6<sup>th</sup> through 8<sup>th</sup>. There is no charge to recruiters for table space.

# Hotel Interview Disclosure Codes

If you plan to interview in a hotel suite, AEA will provide disclosure codes. You must apply for a new disclosure code every year. Go to the AEA Web site at <a href="https://www.vanderbilt.edu/AEA">www.vanderbilt.edu/AEA</a> and click on the disclosure codes. If you have any

questions regarding disclosure codes, contact Gwyn Loftis at <a href="mailto:gwyn.p.loftis@vanderbilt.edu">gwyn.p.loftis@vanderbilt.edu</a> or visit the placement center staff table.

# Closing your Job Order AND Recording Illinois JobLink.com Hires and Other Outcomes

The American Economic Association and IDES would greatly appreciate it if you would close your job orders officially and indicate if your business hired through IJL, another source (e.g. JOE), or no hire took place at all. To record this in the IJL system, enter your user name and password. Go to My Home Page and select My Job Postings. Click "View Options" and "close" of the job you wish to close. Then select one of the following: 1. Job filled by IllinoisJobLink.com Candidate. 2. Job filled by non-IllinoisJobLink.com Candidate. 3. Position no longer available. This exercise helps AEA & IDES continue to provide the professional placement service they have delivered since their partnership began in 1965.

# **Questions or Comments regarding Illinois JobLink.com or IDES?**

For additional assistance contact the IJL-ASSA service representative at <u>jay.oconnor@illinois.gov</u> or visit Riverwalk A & B of the Sheraton Grand Chicago on site. Best wishes in your recruiting endeavors and thank you for using IllinoisJobLink.com.

Thank you for using **IllinoisJobLink.com** for your job search and best wishes in your future endeavors.

# JEL Classification System: can be used for IllinoisJobLink.com Resume Titles & Keywords

The JEL classification system was developed for use in the Journal of Economic Literature (JEL), and is a standard method of classifying scholarly literature in the field of economics. The system is used to classify articles, dissertations, books, book reviews, and working papers in EconLit, and in many other applications. It can now also be used in IllinoisJobLink.com when listing job requirements and conducting candidate searches.

Words and phraseology from the supportive, secondary classification system below it can be used as "keywords" when conducting a candidate search in IllinoisJobLink.com

A General Economics and Teaching

B History of Economic Thought, Methodology, and Heterodox Approaches

C Mathematical and Quantitative Methods

D Microeconomics

E Macroeconomics and Monetary Economics

F International Economics

G Financial Economics

H Public Economics

I Health, Education, and Welfare

J Labor and Demographic Economics

K Law and Economics

L Industrial Organization

M Business Administration and Business Economics; Marketing; Accounting; Personnel Economics

N Economic History

O Economic Development, Innovation, Technological Change, and Growth

P Economic Systems

Q Agricultural and Natural Resource Economics; Environmental and Ecological Economics

R Urban, Rural, Regional, Real Estate, and Transportation Economics

Y Miscellaneous Categories

Z Other Special Topics

# A. General Economics and Teaching

A1 General Economics

A10 General

A11 Role of Economics • Role of Economists • Market for Economists

A12 Relation of Economics to Other Disciplines

A13 Relation of Economics to Social Values

A14 Sociology of Economics

A19 Other

A2 Economic Education and Teaching of Economics

A20 General

A21 Pre-college

A22 Undergraduate

A23 Graduate

A29 Other

A3 Collective Works

A30 General

A31 Collected Writings of Individuals

A32 Collective Volumes<sup>†</sup>

A33 Handbooks

A39 Other

B. History of Economic Thought, Methodology, and Heterodox Approaches

B00 General

B1 History of Economic Thought through 1925

B10 General

B11 Preclassical (Ancient, Medieval, Mercantilist, Physiocratic)

B12 Classical (includes Adam Smith)

B13 Neoclassical through 1925 (Austrian, Marshallian, Walrasian, Stockholm School)

B14 Socialist • Marxist

B15 Historical • Institutional • Evolutionary

B16 Quantitative and Mathematical

B19 Other

# B2 History of Economic Thought since 1925

- B20 General
- **B21 Microeconomics**
- **B22** Macroeconomics
- B23 Econometrics Quantitative and Mathematical Studies
- B24 Socialist Marxist Sraffian
- B25 Historical Institutional Evolutionary Austrian
- **B26** Financial Economics
- B27 International Trade and Finance
- B29 Other

# B3 History of Economic Thought: Individuals

- B30 General
- **B31** Individuals
- **B32** Obituaries

# **B4** Economic Methodology

- B40 General
- B41 Economic Methodology
- B49 Other

# **B5** Current Heterodox Approaches

- B50 General
- B51 Socialist Marxian Sraffian
- B52 Institutional Evolutionary
- B53 Austrian
- **B54** Feminist Economics
- B59 Other

# C. Mathematical and Quantitative Methods

- C00 General
- C01 Econometrics
- C02 Mathematical Methods

# C1 Econometric and Statistical Methods and Methodology: General

- C10 General
- C11 Bayesian Analysis: General
- C12 Hypothesis Testing: General
- C13 Estimation: General
- C14 Semiparametric and Nonparametric Methods: General
- C15 Statistical Simulation Methods: General
- C18 Methodological Issues: General
- C19 Other

# C2 Single Equation Models • Single Variables

- C20 General
- C21 Cross-Sectional Models Spatial Models Treatment Effect Models • Quantile Regressions
- C22 Time-Series Models Dynamic Quantile Regressions Dynamic Treatment Effect Models &bull Diffusion Processes
- C23 Panel Data Models Spatio-temporal Models
- C24 Truncated and Censored Models Switching Regression Models •

#### Threshold Regression Models

- C25 Discrete Regression and Qualitative Choice Models Discrete Regressors Proportions
- C26 Instrumental Variables (IV) Estimation
- C29 Other

#### C3 Multiple or Simultaneous Equation Models • Multiple Variables

- C30 General
- C31 Cross-Sectional Models Spatial Models Treatment Effect Models • Quantile Regressions • Social Interaction Models
- C32 Time-Series Models Dynamic Quantile Regressions Dynamic Treatment Effect Models Diffusion Processes State Space Models
- C33 Panel Data Models Spatio-temporal Models<sup>†</sup>
- C34 Truncated and Censored Models Switching Regression Models
- C35 Discrete Regression and Qualitative Choice Models Discrete Regressors Proportions
- C36 Instrumental Variables (IV) Estimation
- C38 Classification Methods Cluster Analysis Principal Components Factor Models †
- C39 Other

# C4 Econometric and Statistical Methods: Special Topics

- C40 General
- C41 Duration Analysis Optimal Timing Strategies
- C43 Index Numbers and Aggregation
- C44 Operations Research Statistical Decision Theory
- C45 Neural Networks and Related Topics
- C46 Specific Distributions Specific Statistics
- C49 Other

# C5 Econometric Modeling

- C50 General
- C51 Model Construction and Estimation
- C52 Model Evaluation, Validation, and Selection
- C53 Forecasting and Prediction Methods Simulation Methods
- C54 Quantitative Policy Modeling
- C55 Large Data Sets: Modeling and Analysis
- C57 Econometrics of Games and Auctions
- C58 Financial Econometrics
- C59 Other

#### C6 Mathematical Methods $\bullet$ Programming Models $\bullet$ Mathematical and Simulation Modeling

- C60 General
- C61 Optimization Techniques Programming Models Dynamic Analysis
- C62 Existence and Stability Conditions of Equilibrium
- C63 Computational Techniques Simulation Modeling
- C65 Miscellaneous Mathematical Tools
- C67 Input-Output Models
- C68 Computable General Equilibrium Models
- C69 Other

- C7 Game Theory and Bargaining Theory
  - C70 General
  - C71 Cooperative Games
  - C72 Noncooperative Games
  - C73 Stochastic and Dynamic Games Evolutionary Games Repeated Games
  - C78 Bargaining Theory Matching Theory
  - C79 Other
- C8 Data Collection and Data Estimation Methodology Computer Programs
  - C80 General
  - C81 Methodology for Collecting, Estimating, and Organizing Microeconomic Data • Data Access
  - C82 Methodology for Collecting, Estimating, and Organizing Macroeconomic Data Data Access
  - C83 Survey Methods Sampling Methods
  - C87 Econometric Software
  - C88 Other Computer Software
  - C89 Other
- C9 Design of Experiments
  - C90 General
  - C91 Laboratory, Individual Behavior
  - C92 Laboratory, Group Behavior
  - C93 Field Experiments
  - C99 Other

#### D. Microeconomics

- D00 General
- D01 Microeconomic Behavior: Underlying Principles
- D02 Institutions: Design, Formation, and Operations and Impact
- D03 Behavioral Microeconomics Underlying Principles<sup>†</sup>
- D04 Microeconomic Policy: Formulation, Implementation, and Evaluation
- D1 Household Behavior and Family Economics
  - D10 General
  - D11 Consumer Economics: Theory
  - D12 Consumer Economics: Empirical Analysis
  - D13 Household Production and Intrahousehold Allocation
  - D14 Household Saving; Personal Finance<sup>†</sup>
  - D18 Consumer Protection
  - D19 Other
- D2 Production and Organizations
  - D20 General
  - D21 Firm Behavior: Theory
  - D22 Firm Behavior: Empirical Analysis
  - D23 Organizational Behavior Transaction Costs Property Rights
  - D24 Production Cost Capital Capital, Total Factor, and Multifactor Productivity Capacity
  - D29 Other

- D3 Distribution
  - D30 General
  - D31 Personal Income, Wealth, and Their Distributions
  - D33 Factor Income Distribution
  - D39 Other
- D4 Market Structure, Pricing and Design
  - D40 General
  - **D41** Perfect Competition
  - D42 Monopoly
  - D43 Oligopoly and Other Forms of Market Imperfection
  - D44 Auctions
  - D45 Rationing Licensing
  - D46 Value Theory
  - D47 Market Design
  - D49 Other
- D5 General Equilibrium and Disequilibrium
  - D50 General
  - D51 Exchange and Production Economies
  - D52 Incomplete Markets
  - D53 Financial Markets
  - D57 Input-Output Tables and Analysis
  - D58 Computable and Other Applied General Equilibrium Models
  - D59 Other
- D6 Welfare Economics
  - D60 General
  - D61 Allocative Efficiency Cost-Benefit Analysis
  - D62 Externalities
  - D63 Equity, Justice, Inequality, and Other Normative Criteria and Measurement
  - D64 Altruism Philanthropy Intergenerational Transfers
  - D69 Other
- D7 Analysis of Collective Decision-Making
  - D70 General
  - D71 Social Choice Clubs Committees Associations
  - D72 Political Processes: Rent-Seeking, Lobbying, Elections, Legislatures, and Voting Behavior
  - D73 Bureaucracy Administrative Processes in Public Organizations Corruption
  - D74 Conflict Conflict Resolution Alliances Revolutions
  - D78 Positive Analysis of Policy Formulation and Implementation<sup>†</sup>
  - D79 Other
- D8 Information, Knowledge, and Uncertainty
  - D80 General
  - D81 Criteria for Decision-Making under Risk and Uncertainty
  - D82 Asymmetric and Private Information Mechanism Design
  - D83 Search Learning Information and Knowledge Communication Belief Unawareness

- D84 Expectations Speculations
- D85 Network Formation and Analysis: Theory
- D86 Economics of Contract: Theory
- D87 Neuroeconomics
- D89 Other
- D9 Intertemporal Choice<sup>†</sup>
  - D90 General
  - D91 Intertemporal Household Choice Life Cycle Models and Saving<sup>†</sup>
  - D92 Intertemporal Firm Choice, Investment, Capacity, and Financing<sup>†</sup>
  - D99 Other

#### E. Macroeconomics and Monetary Economics

- E00 General
- E01 Measurement and Data on National Income and Product Accounts and Wealth • Environmental Accounts
- E02 Institutions and the Macroeconomy
- E03 Behavioral Macroeconomics<sup>‡</sup>
- E1 General Aggregative Models
  - E10 General
  - E11 Marxian Sraffian Kaleckian
  - E12 Keynes Keynesian Post-Keynesian
  - E13 Neoclassical
  - E14 Austrian Evolutionary Institutional
  - E16 Social Accounting Matrix
  - E17 Forecasting and Simulation: Models and Applications
  - E19 Other
- E2 Consumption, Saving, Production, Investment, Labor Markets, and Informal Economy<sup>†</sup>
  - E20 General
  - E21 Consumption Saving Wealth
  - E22 Investment Capital Intangible Capital Capacity
  - E23 Production
  - E24 Employment Unemployment Wages Intergenerational Income Distribution Aggregate Human Capital Aggregate Labor Productivity
  - E25 Aggregate Factor Income Distribution
  - E26 Informal Economy Underground Economy
  - E27 Forecasting and Simulation: Models and Applications
  - E29 Other
- E3 Prices, Business Fluctuations, and Cycles
  - E30 General
  - E31 Price Level Inflation Deflation
  - E32 Business Fluctuations Cycles
  - E37 Forecasting and Simulation: Models and Applications
  - E39 Other
- E4 Money and Interest Rates
  - E40 General
  - E41 Demand for Money

- E42 Monetary Systems Standards Regimes Government and the Monetary System Payment Systems
- E43 Interest Rates: Determination, Term Structure, and Effects
- E44 Financial Markets and the Macroeconomy
- E47 Forecasting and Simulation: Models and Applications
- E49 Other
- E5 Monetary Policy, Central Banking, and the Supply of Money and Credit
  - E50 General
  - E51 Money Supply Credit Money Multipliers
  - E52 Monetary Policy
  - E58 Central Banks and Their Policies
  - E59 Other
- E6 Macroeconomic Policy, Macroeconomic Aspects of Public Finance, and General Outlook
  - E60 General
  - E61 Policy Objectives Policy Designs and Consistency Policy Coordination
  - E62 Fiscal Policy
  - E63 Comparative or Joint Analysis of Fiscal and Monetary Policy Stabilization Treasury Policy
  - E64 Incomes Policy Price Policy
  - E65 Studies of Particular Policy Episodes
  - E66 General Outlook and Conditions
  - E69 Other

#### F. International Economics

- F00 General
- F01 Global Outlook
- F02 International Economic Order and Integration
- F1 Trade
  - F10 General
  - F11 Neoclassical Models of Trade
  - F12 Models of Trade with Imperfect Competition and Scale Economies ullet Fragmentation  $\dot{}$
  - F13 Trade Policy International Trade Organizations
  - F14 Empirical Studies of Trade
  - F15 Economic Integration
  - F16 Trade and Labor Market Interactions
  - F17 Trade Forecasting and Simulation
  - F18 Trade and Environment
  - F19 Other
- F2 International Factor Movements and International Business
  - F20 General
  - F21 International Investment Long-Term Capital Movements
  - F22 International Migration
  - F23 Multinational Firms International Business
  - F24 Remittances
  - F29 Other

- F3 International Finance
  - F30 General
  - F31 Foreign Exchange
  - F32 Current Account Adjustment Short-Term Capital Movements
  - F33 International Monetary Arrangements and Institutions
  - F34 International Lending and Debt Problems
  - F35 Foreign Aid
  - F36 Financial Aspects of Economic Integration
  - F37 International Finance Forecasting and Simulation: Models and Applications
  - F38 International Financial Policy: Financial Transactions Tax; Capital Controls<sup>‡</sup>
  - F39 Other
- F4 Macroeconomic Aspects of International Trade and Finance
  - F40 General
  - F41 Open Economy Macroeconomics
  - F42 International Policy Coordination and Transmission
  - F43 Economic Growth of Open Economies
  - F44 International Business Cycles
  - F45 Macroeconomic Issues of Monetary Unions
  - F47 Forecasting and Simulation: Models and Applications
  - F49 Other
- F5 International Relations, National Security, and International Political Economy<sup>†</sup>
  - F50 General
  - F51 International Conflicts Negotiations Sanctions
  - F52 National Security Economic Nationalism
  - F53 International Agreements and Observance International Organizations
  - F54 Colonialism Imperialism Postcolonialism
  - F55 International Institutional Arrangements
  - F59 Other
- F6 Economic Impacts of Globalization<sup>†</sup>
  - F60 General
  - F61 Microeconomic Impacts
  - F62 Macroeconomic Impacts
  - F63 Economic Development
  - F64 Environment
  - F65 Finance
  - F66 Labor
  - F68 Policy
  - F69 Other

# G. Financial Economics

- G00 General
- G01 Financial Crises
- G02 Behavioral Finance: Underlying Principles
- G1 General Financial Markets
  - G10 General

- G11 Portfolio Choice Investment Decisions
- G12 Asset Pricing Trading Volume Bond Interest Rates<sup>†</sup>
- G13 Contingent Pricing Futures Pricing
- G14 Information and Market Efficiency Event Studies Insider Trading<sup>†</sup>
- G15 International Financial Markets
- G17 Financial Forecasting and Simulation
- G18 Government Policy and Regulation
- G19 Other
- G2 Financial Institutions and Services
  - G20 General
  - G21 Banks Depository Institutions Micro Finance Institutions Mortgages
  - G22 Insurance Insurance Companies Actuarial Studies<sup>†</sup>
  - G23 Non-bank Financial Institutions Financial Instruments Institutional Investors
  - G24 Investment Banking Venture Capital Brokerage Ratings and Ratings Agencies
  - G28 Government Policy and Regulation
  - G29 Other
- G3 Corporate Finance and Governance
  - G30 General
  - G31 Capital Budgeting Fixed Investment and Inventory Studies Capacity
  - G32 Financing Policy Financial Risk and Risk Management Capital and Ownership Structure Value of Firms Goodwill
  - G33 Bankruptcy Liquidation
  - G34 Mergers Acquisitions Restructuring Corporate Governance
  - G35 Payout Policy
  - G38 Government Policy and Regulation
  - G39 Other

# H. Public Economics

- H00 General
- H1 Structure and Scope of Government
  - H10 General
  - H11 Structure, Scope, and Performance of Government
  - H12 Crisis Management
  - H13 Economics of Eminent Domain Expropriation Nationalization
  - H19 Other
- H2 Taxation, Subsidies, and Revenue
  - H20 General
  - H21 Efficiency Optimal Taxation
  - H22 Incidence
  - H23 Externalities Redistributive Effects Environmental Taxes and Subsidies
  - H24 Personal Income and Other Nonbusiness Taxes and Subsidies
  - H25 Business Taxes and Subsidies
  - H26 Tax Evasion and Avoidance
  - H27 Other Sources of Revenue

H29 Other

H3 Fiscal Policies and Behavior of Economic Agents

H30 General

H31 Household

H32 Firm

H39 Other

H4 Publicly Provided Goods

H40 General

H41 Public Goods

H42 Publicly Provided Private Goods

H43 Project Evaluation • Social Discount Rate

H44 Publicly Provided Goods: Mixed Markets

H49 Other

H5 National Government Expenditures and Related Policies

H50 General

H51 Government Expenditures and Health

H52 Government Expenditures and Education

H53 Government Expenditures and Welfare Programs

H54 Infrastructures • Other Public Investment and Capital Stock

H55 Social Security and Public Pensions

H56 National Security and War

H57 Procurement

H59 Other

H6 National Budget, Deficit, and Debt

H60 General

H61 Budget • Budget Systems

H62 Deficit • Surplus

H63 Debt • Debt Management • Sovereign Debt

H68 Forecasts of Budgets, Deficits, and Debt

H69 Other

H7 State and Local Government • Intergovernmental Relations

H70 General

H71 State and Local Taxation, Subsidies, and Revenue

H72 State and Local Budget and Expenditures

H73 Interjurisdictional Differentials and Their Effects

H74 State and Local Borrowing

H75 State and Local Government: Health • Education • Welfare • Public Pensions

H76 State and Local Government: Other Expenditure Categories

H77 Intergovernmental Relations • Federalism • Secession

H79 Other

H8 Miscellaneous Issues

H80 General

H81 Governmental Loans • Loan Guarantees • Credits • Grants • Bailouts

H82 Governmental Property

H83 Public Administration • Public Sector Accounting and Audits

H84 Disaster Aid

H87 International Fiscal Issues • International Public Goods

H89 Other

I. Health, Education, and Welfare

I00 General

I1 Health

I10 General

I11 Analysis of Health Care Markets

I12 Health Behavior

I13 Health Insurance, Public and Private

I14 Health and Inequality

I15 Health and Economic Development

I18 Government Policy • Regulation • Public Health

I19 Other

I2 Education and Research Institutions

I20 General

I21 Analysis of Education

I22 Educational Finance • Financial Aid<sup>†</sup>

I23 Higher Education • Research Institutions<sup>†</sup>

I24 Education and Inequality

I25 Education and Economic Development

I28 Government Policy

I29 Other

I3 Welfare, Well-Being, and Poverty<sup>†</sup>

I30 General

I31 General Welfare, Well-Being †

I32 Measurement and Analysis of Poverty

I38 Government Policy • Provision and Effects of Welfare Programs

I39 Other

# J. Labor and Demographic Economics

J00 General

J01 Labor Economics: General

J08 Labor Economics Policies

J1 Demographic Economics

J10 General

J11 Demographic Trends, Macroeconomic Effects, and Forecasts

J12 Marriage • Marital Dissolution • Family Structure • Domestic Abuse

J13 Fertility • Family Planning • Child Care • Children • Youth

J14 Economics of the Elderly • Economics of the Handicapped • Non-Labor Market Discrimination

J15 Economics of Minorities, Races, Indigenous Peoples, and Immigrants • Non-labor Discrimination<sup>†</sup>

J16 Economics of Gender • Non-labor Discrimination

J17 Value of Life • Forgone Income

J18 Public Policy

J19 Other

# J2 Demand and Supply of Labor

- J20 General
- J21 Labor Force and Employment, Size, and Structure
- J22 Time Allocation and Labor Supply
- J23 Labor Demand
- J24 Human Capital Skills Occupational Choice Labor Productivity
- J26 Retirement Retirement Policies
- J28 Safety Job Satisfaction Related Public Policy
- J29 Other

# J3 Wages, Compensation, and Labor Costs

- J30 General
- J31 Wage Level and Structure Wage Differentials
- J32 Nonwage Labor Costs and Benefits Retirement Plans Private Pensions<sup>†</sup>
- J33 Compensation Packages Payment Methods
- J38 Public Policy
- J39 Other

# J4 Particular Labor Markets

- J40 General
- J41 Labor Contracts
- J42 Monopsony Segmented Labor Markets
- J43 Agricultural Labor Markets
- J44 Professional Labor Markets Occupational Licensing
- J45 Public Sector Labor Markets
- J46 Informal Labor Markets<sup>‡</sup>
- J47 Coercive Labor Markets
- J48 Public Policy
- J49 Other

# J5 Labor-Management Relations, Trade Unions, and Collective Bargaining

- J50 General
- J51 Trade Unions: Objectives, Structure, and Effects
- J52 Dispute Resolution: Strikes, Arbitration, and Mediation Collective Bargaining
- J53 Labor-Management Relations Industrial Jurisprudence
- J54 Producer Cooperatives Labor Managed Firms Employee Ownership
- J58 Public Policy
- J59 Other

# J6 Mobility, Unemployment, Vacancies, and Immigrant Workers<sup>†</sup>

- J60 General
- J61 Geographic Labor Mobility Immigrant Workers
- J62 Job, Occupational, and Intergenerational Mobility
- J63 Turnover Vacancies Layoffs
- J64 Unemployment: Models, Duration, Incidence, and Job Search
- J65 Unemployment Insurance Severance Pay Plant Closings
- J68 Public Policy
- J69 Other

- J7 Labor Discrimination
  - J70 General
  - J71 Discrimination
  - J78 Public Policy
  - J79 Other

# J8 Labor Standards: National and International

- J80 General
- J81 Working Conditions
- J82 Labor Force Composition
- J83 Workers' Rights
- J88 Public Policy
- J89 Other

# K. Law and Economics

- K00 General
- K1 Basic Areas of Law
  - K10 General
  - K11 Property Law
  - K12 Contract Law
  - K13 Tort Law and Product Liability Forensic Economics<sup>†</sup>
  - K14 Criminal Law
  - K19 Other

#### K2 Regulation and Business Law

- K20 General
- K21 Antitrust Law
- K22 Business and Securities Law
- K23 Regulated Industries and Administrative Law
- K29 Other

# K3 Other Substantive Areas of Law

- K30 General
- K31 Labor Law
- K32 Environmental, Health, and Safety Law
- K33 International Law
- K34 Tax Law
- K35 Personal Bankruptcy Law
- K36 Family and Personal Law
- K37 Immigration Law
- K39 Other

# K4 Legal Procedure, the Legal System, and Illegal Behavior

- K40 General
- K41 Litigation Process
- K42 Illegal Behavior and the Enforcement of Law
- K49 Other

# L. Industrial Organization

# L00 General

- L1 Market Structure, Firm Strategy, and Market Performance
  - L10 General
  - L11 Production, Pricing, and Market Structure Size Distribution of Firms
  - L12 Monopoly Monopolization Strategies
  - L13 Oligopoly and Other Imperfect Markets
  - L14 Transactional Relationships Contracts and Reputation Networks
  - L15 Information and Product Quality Standardization and Compatibility
  - L16 Industrial Organization and Macroeconomics: Industrial Structure and Structural Change Industrial Price Indices
  - L17 Open Source Products and Markets
  - L19 Other
- L2 Firm Objectives, Organization, and Behavior
  - L20 General
  - L21 Business Objectives of the Firm
  - L22 Firm Organization and Market Structure
  - L23 Organization of Production
  - L24 Contracting Out Joint Ventures Technology Licensing
  - L25 Firm Performance: Size, Diversification, and Scope
  - L26 Entrepreneurship
  - L29 Other
- L3 Nonprofit Organizations and Public Enterprise
  - L30 General
  - L31 Nonprofit Institutions NGOs Social Entrepreneurship
  - L32 Public Enterprises Public-Private Enterprises
  - L33 Comparison of Public and Private Enterprises and Nonprofit Institutions • Privatization • Contracting Out
  - L38 Public Policy
  - L39 Other
- L4 Antitrust Issues and Policies
  - L40 General
  - L41 Monopolization Horizontal Anticompetitive Practices
  - L42 Vertical Restraints Resale Price Maintenance Quantity Discounts
  - L43 Legal Monopolies and Regulation or Deregulation
  - L44 Antitrust Policy and Public Enterprises, Nonprofit Institutions, and Professional Organizations
  - L49 Other
- L5 Regulation and Industrial Policy
  - L50 General
  - L51 Economics of Regulation
  - L52 Industrial Policy Sectoral Planning Methods
  - L53 Enterprise Policy
  - L59 Other
- L6 Industry Studies: Manufacturing
  - L60 General
  - L61 Metals and Metal Products Cement Glass Ceramics

- L62 Automobiles Other Transportation Equipment Related Parts and Equipment
- L63 Microelectronics Computers Communications Equipment
- L64 Other Machinery Business Equipment Armaments
- L65 Chemicals Rubber Drugs Biotechnology
- L66 Food Beverages Cosmetics Tobacco Wine and Spirits
- L67 Other Consumer Nondurables: Clothing, Textiles, Shoes, and Leather Goods; Household Goods; Sports Equipment
- L68 Appliances Furniture Other Consumer Durables<sup>†</sup>
- L69 Other
- L7 Industry Studies: Primary Products and Construction
  - L70 General
  - L71 Mining, Extraction, and Refining: Hydrocarbon Fuels
  - L72 Mining, Extraction, and Refining: Other Nonrenewable Resources
  - L73 Forest Products
  - L74 Construction
  - L78 Government Policy
  - L79 Other
- L8 Industry Studies: Services
  - L80 General
  - L81 Retail and Wholesale Trade e-Commerce
  - L82 Entertainment Media
  - L83 Sports Gambling Restaurants Recreation Tourism<sup>†</sup>
  - L84 Personal, Professional, and Business Services
  - L85 Real Estate Services
  - L86 Information and Internet Services Computer Software
  - L87 Postal and Delivery Services
  - L88 Government Policy
  - L89 Other
- L9 Industry Studies: Transportation and Utilities
  - L90 General
  - L91 Transportation: General
  - L92 Railroads and Other Surface Transportation
  - L93 Air Transportation
  - L94 Electric Utilities
  - L95 Gas Utilities Pipelines Water Utilities
  - L96 Telecommunications
  - L97 Utilities: General
  - L98 Government Policy
  - L99 Other

# M. Business Administration and Business Economics • Marketing • Accounting

M00 General

- M1 Business Administration
  - M10 General
  - M11 Production Management
  - M12 Personnel Management Executives; Executive Compensation
  - M13 New Firms Startups

M14 Corporate Culture • Diversity • Social Responsibility N22 U.S. • Canada: 1913-M15 IT Management N23 Europe: Pre-1913 M16 International Business Administration N24 Europe: 1913-M19 Other N25 Asia including Middle East N26 Latin America • Caribbean M2 Business Economics N27 Africa • Oceania M20 General M21 Business Economics N3 Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy M29 Other N30 General, International, or Comparative N31 U.S. • Canada: Pre-1913 M3 Marketing and Advertising N32 U.S. • Canada: 1913-M30 General N33 Europe: Pre-1913 M31 Marketing N34 Europe: 1913-M37 Advertising N35 Asia including Middle East M38 Government Policy and Regulation N36 Latin America • Caribbean M39 Other N37 Africa • Oceania M4 Accounting and Auditing N4 Government, War, Law, International Relations, and Regulation M40 General N40 General, International, or Comparative M41 Accounting N41 U.S. • Canada: Pre-1913 M42 Auditing N42 U.S. • Canada: 1913-M48 Government Policy and Regulation N43 Europe: Pre-1913 M49 Other N44 Europe: 1913-N45 Asia including Middle East M5 Personnel Economics N46 Latin America • Caribbean M50 General N47 Africa • Oceania M51 Firm Employment Decisions • Promotions M52 Compensation and Compensation Methods and Their Effects N5 Agriculture, Natural Resources, Environment, and Extractive Industries M53 Training N50 General, International, or Comparative M54 Labor Management N51 U.S. • Canada: Pre-1913 M55 Labor Contracting Devices N52 U.S. • Canada: 1913-M59 Other N53 Europe: Pre-1913 N. Economic History N54 Europe: 1913-N55 Asia including Middle East N00 General N56 Latin America • Caribbean N01 Development of the Discipline: Historiographical; Sources and N57 Africa • Oceania N6 Manufacturing and Construction N1 Macroeconomics and Monetary Economics • Industrial Structure • N60 General, International, or Comparative Growth • Fluctuations N61 U.S. • Canada: Pre-1913 N10 General, International, or Comparative N62 U.S. • Canada: 1913-N11 U.S. • Canada: Pre-1913 N63 Europe: Pre-1913 N12 U.S. • Canada: 1913-N64 Europe: 1913-N13 Europe: Pre-1913 N65 Asia including Middle East N14 Europe: 1913-N66 Latin America • Caribbean N15 Asia including Middle East

N2 Financial Markets and Institutions

N17 Africa • Oceania

N16 Latin America • Caribbean

N20 General, International, or Comparative

N21 U.S. • Canada: Pre-1913

N67 Africa • Oceania

N71 U.S. • Canada: Pre-1913

N72 U.S. • Canada: 1913-

N73 Europe: Pre-1913

N7 Transport, Trade, Energy, Technology, and Other Services N70 General, International, or Comparative

- N74 Europe: 1913-
- N75 Asia including Middle East
- N76 Latin America Caribbean
- N77 Africa Oceania

#### N8 Micro-Business History

- N80 General, International, or Comparative
- N81 U.S. Canada: Pre-1913
- N82 U.S. Canada: 1913-
- N83 Europe: Pre-1913
- N84 Europe: 1913-
- N85 Asia including Middle East
- N86 Latin America Caribbean
- N87 Africa Oceania

# N9 Regional and Urban History

- N90 General, International, or Comparative
- N91 U.S. Canada: Pre-1913
- N92 U.S. Canada: 1913-
- N93 Europe: Pre-1913
- N94 Europe: 1913-
- N95 Asia including Middle East
- N96 Latin America Caribbean
- N97 Africa Oceania

# O. Economic Development, Technological Change, and Growth

#### O1 Economic Development

- O10 General
- O11 Macroeconomic Analyses of Economic Development
- O12 Microeconomic Analyses of Economic Development
- O13 Agriculture Natural Resources Energy Environment Other Primary Products
- O14 Industrialization Manufacturing and Service Industries Choice of Technology
- O15 Human Resources Human Development Income Distribution Migration
- O16 Financial Markets Saving and Capital Investment Corporate Finance and Governance
- O17 Formal and Informal Sectors Shadow Economy Institutional Arrangements
- O18 Urban, Rural, Regional, and Transportation Analysis Housing Infrastructure
- O19 International Linkages to Development Role of International Organizations

# O2 Development Planning and Policy

- O20 General
- O21 Planning Models Planning Policy
- O22 Project Analysis
- O23 Fiscal and Monetary Policy in Development
- O24 Trade Policy Factor Movement Policy Foreign Exchange Policy
- O25 Industrial Policy
- O29 Other

- O3 Innovations Research and Development Technological Change Intellectual Property Rights
  - O30 General
  - O31 Innovation and Invention: Processes and Incentives
  - O32 Management of Technological Innovation and R&D
  - O33 Technological Change: Choices and Consequences Diffusion Processes
  - O34 Intellectual Property and Intellectual Capital<sup>†</sup>
  - O35 Social Innovation<sup>‡</sup>
  - O38 Government Policy
  - O39 Other

# O4 Economic Growth and Aggregate Productivity

- O40 General
- O41 One, Two, and Multisector Growth Models
- O42 Monetary Growth Models
- O43 Institutions and Growth
- O44 Environment and Growth
- O47 Empirical Studies of Economic Growth Aggregate Productivity Cross-Country Output Convergence
- O49 Other

#### O5 Economywide Country Studies

- O50 General
- O51 U.S. · Canada
- O52 Europe
- O53 Asia including Middle East
- O54 Latin America Caribbean
- O55 Africa
- O56 Oceania
- O57 Comparative Studies of Countries

# P. Economic Systems

# P00 General

# P1 Capitalist Systems

- P10 General
- P11 Planning, Coordination, and Reform
- P12 Capitalist Enterprises
- P13 Cooperative Enterprises
- P14 Property Rights
- P16 Political Economy
- P17 Performance and Prospects
- P18 Energy Environment
- P19 Other

# P2 Socialist Systems and Transitional Economies

- P20 General
- P21 Planning, Coordination, and Reform
- P22 Prices
- P23 Factor and Product Markets Industry Studies Population
- P24 National Income, Product, and Expenditure Money Inflation
- P25 Urban, Rural, and Regional Economics

- P26 Political Economy Property Rights
- P27 Performance and Prospects
- P28 Natural Resources Energy Environment
- P29 Other

#### P3 Socialist Institutions and Their Transitions

- P30 General
- P31 Socialist Enterprises and Their Transitions
- P32 Collectives Communes Agriculture
- P33 International Trade, Finance, Investment, Relations, and Aid<sup>†</sup>
- P34 Financial Economics
- P35 Public Economics
- P36 Consumer Economics Health Education and Training Welfare, Income, Wealth, and Poverty
- P37 Legal Institutions Illegal Behavior
- P39 Other

# P4 Other Economic Systems

- P40 General
- P41 Planning, Coordination, and Reform
- P42 Productive Enterprises Factor and Product Markets Prices Population
- P43 Public Economics Financial Economics
- P44 National Income, Product, and Expenditure Money Inflation
- P45 International Trade, Finance, Investment, and Aid
- P46 Consumer Economics Health Education and Training Welfare, Income, Wealth, and Poverty
- P47 Performance and Prospects
- P48 Political Economy Legal Institutions Property Rights Natural Resources Energy Environment Regional Studies
- P49 Other

#### P5 Comparative Economic Systems

- P50 General
- P51 Comparative Analysis of Economic Systems
- P52 Comparative Studies of Particular Economies
- P59 Other

# Q. Agricultural and Natural Resource Economics • Environmental and Ecological Economics

- Q00 General
- Q01 Sustainable Development
- Q02 Commodity Markets

#### Q1 Agriculture

- Q10 General
- Q11 Aggregate Supply and Demand Analysis Prices
- Q12 Micro Analysis of Farm Firms, Farm Households, and Farm Input Markets
- Q13 Agricultural Markets and Marketing Cooperatives Agribusiness
- Q14 Agricultural Finance
- Q15 Land Ownership and Tenure Land Reform Land Use Irrigation Agriculture and Environment
- Q16 R&D Agricultural Technology Biofuels Agricultural

#### **Extension Services**

- Q17 Agriculture in International Trade
- Q18 Agricultural Policy Food Policy
- Q19 Other

#### O2 Renewable Resources and Conservation

- Q20 General
- Q21 Demand and Supply Prices<sup>†</sup>
- Q22 Fishery Aquaculture
- Q23 Forestry
- Q24 Land
- O25 Water
- Q26 Recreational Aspects of Natural Resources
- Q27 Issues in International Trade
- **Q28** Government Policy
- Q29 Other

#### Q3 Nonrenewable Resources and Conservation

- Q30 General
- Q31 Demand and Supply Prices<sup>†</sup>
- Q32 Exhaustible Resources and Economic Development
- Q33 Resource Booms
- Q34 Natural Resources and Domestic and International Conflicts
- Q35 Hydrocarbon Resources<sup>‡</sup>
- Q37 Issues in International Trade
- Q38 Government Policy
- Q39 Other

# Q4 Energy

- Q40 General
- Q41 Demand and Supply Prices<sup>†</sup>
- Q42 Alternative Energy Sources
- Q43 Energy and the Macroeconomy
- Q47 Energy Forecasting
- Q48 Government Policy
- Q49 Other

# Q5 Environmental Economics

- Q50 General
- Q51 Valuation of Environmental Effects
- Q52 Pollution Control Adoption and Costs Distributional Effects Employment Effects
- Q53 Air Pollution Water Pollution Noise Hazardous Waste Solid Waste Recycling
- Q54 Climate Natural Disasters and Their Management Global Warming
- Q55 Technological Innovation
- Q56 Environment and Development Environment and Trade Sustainability Environmental Accounts and Accounting Environmental Equity Population Growth
- Q57 Ecological Economics: Ecosystem Services Biodiversity Conservation Bioeconomics Industrial Ecology
- Q58 Government Policy
- Q59 Other

# R. Urban, Rural, Regional, Real Estate, and Transportation Economics

R00 General

# R1 General Regional Economics

R10 General

R11 Regional Economic Activity: Growth, Development, Environmental Issues, and Changes

R12 Size and Spatial Distributions of Regional Economic Activity

R13 General Equilibrium and Welfare Economic Analysis of Regional Economies

R14 Land Use Patterns

R15 Econometric and Input-Output Models • Other Models

R19 Other

# R2 Household Analysis

R20 General

**R21 Housing Demand** 

R22 Other Demand

R23 Regional Migration • Regional Labor Markets • Population • Neighborhood Characteristics

R28 Government Policy

R29 Other

# R3 Real Estate Markets, Spatial Production Analysis, and Firm Location<sup>†</sup>

R30 General

R31 Housing Supply and Markets

R32 Other Spatial Production and Pricing Analysis<sup>†</sup>

R33 Nonagricultural and Nonresidential Real Estate Markets

R38 Government Policy

R39 Other

# R4 Transportation Economics<sup>†</sup>

R40 General

R41 Transportation: Demand, Supply, and Congestion • Travel Time • Safety and Accidents • Transportation Noise

R42 Government and Private Investment Analysis • Road Maintenance • Transportation Planning

R48 Government Pricing and Policy

R49 Other

# R5 Regional Government Analysis

R50 General

R51 Finance in Urban and Rural Economies

R52 Land Use and Other Regulations

R53 Public Facility Location Analysis • Public Investment and Capital Stock

R58 Regional Development Planning and Policy

R59 Other

# Y. Miscellaneous Categories

Y1 Data: Tables and Charts

Y10 Data: Tables and Charts

Y2 Introductory Material

Y20 Introductory Material

Y3 Book Reviews (unclassified)

Y30 Book Reviews (unclassified)

Y4 Dissertations (unclassified)

Y40 Dissertations (unclassified)

Y5 Further Reading (unclassified)

Y50 Further Reading (unclassified)

Y6 Excerpts

Y60 Excerpts

Y7 No Author General Discussions

Y70 No Author General Discussions

Y8 Related Disciplines

Y80 Related Disciplines

Y9 Other

Y90 Other

Y91 Pictures and Maps

Y92 Novels, Self-Help Books, etc.

# **Z.** Other Special Topics

Z00 General

# Z1 Cultural Economics • Economic Sociology • Economic Anthropology

Z10 General

Z11 Economics of the Arts and Literature

Z12 Religion

Z13 Economic Sociology • Economic Anthropology • Social and Economic Stratification

Z18 Public Policy

Z19 Other

# Z2 Sports Economics

Z20 General

**Z21 Industry Studies** 

Z22 Labor Issues

Z23 Finance

Z28 Policy

Z29 Other

# Z3 Tourism Economics

Z30 General

Z31 Industry Studies

Z32 Tourism and Development

Z33 Marketing and Finance

Z38 Policy Z39 Other